NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

BASF AKTIENGESELLSCHAFT 67056 Ludwigshafen ALLEMAGNE

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IMPORTANT NOTIFICATION

International filing date (day/month/year)
19 February 2005 (19.02.2005)

Priority date (day/month/year)
26 February 2004 (26.02.2004)

Applicant

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BASF AKTIENGESELLSCHAFT et al

- 1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- 2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
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Priority date

Priority application No.

Country or regional Office or PCT receiving Office

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26 February 2004 (26.02.2004)

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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

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# INTERNATIONAL SEARCH REPORT

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A. CLASSI IPC 7	FICATION OF SUBJECT MATTER C09D11/00				
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Name and r	mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tet. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Schmitz, V			

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#### New claims:

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- 1. An aqueous recording fluid comprising
- 5 (a) at least one colorant which is not completely polymer enveloped, selected from those colorants in particulate form where some colorant particles are completely polymer enveloped and others only incompletely, and those colorants in particulate form wherein some colorant particles are completely polymer enveloped and others not at all,
- (b) at least two wetting agents selected from alkoxylated alcohols of the formula R¹O(AO)<sub>x</sub>-H, where R¹ is C₁-C₃₀-alkyl wherein one or else two nonadjacent CH₂ groups may be replaced by oxygen and wherein C₁-C₃₀-alkyl may be unsubstituted or substituted with one or two hydroxyl groups, AO represents alkylene oxide, selected from ethylene oxide, propylene oxide and butylene oxide and x is an integer from 1 to 100, alkoxylated acetylene alcohols, alkoxylated or nonalkoxylated acetylenediols, alkylpolyglucosides, sugar ester alkoxylates, fluorosurfactants, anionic surfactants and cationic surfactants.
- 20 2. An aqueous recording fluid comprising
  - (a) at least one colorant in which at least 0.1% by weight of the colorant particles are not completely polymer enveloped,
  - (b) at least two wetting agents selected from alkoxylated alcohols of the formula R¹O(AO)<sub>x</sub>-H, where R¹ is C₁-C₃₀-alkyl wherein one or else two nonadjacent CH₂ groups may be replaced by oxygen and wherein C₁-C₃₀-alkyl may be unsubstituted or substituted with one or two hydroxyl groups, AO represents alkylene oxide, selected from ethylene oxide, propylene oxide and butylene oxide and x is an integer from 1 to 100, alkoxylated acetylene alcohols, alkoxylated or nonalkoxylated acetylenediols, alkylpolyglucosides, sugar ester alkoxylates, fluorosurfactants, anionic surfactants and cationic surfactants.
  - 3. The recording fluid according to claim 1 or 2, comprising (c) at least one dispersant.
  - 4. The recording fluid according to at least one of claims 1 to 3, comprising two wetting agents (b1) and (b2) whose weight ratio is in the range from 1 : 20 to 20 : 1.
  - The recording fluid according to at least one of claims 1 to 4, comprising up to
     2% by weight of (b), based on the total weight of the recording fluid.

#### AMENDED SHEET

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- 6. The recording fluid according to at least one of claims 1 to 5, comprising (d) at least one binder.
- 5 7. A process for producing a recording fluid according to claim 1 to 6, which comprises mixing
  - (a) at least one colorant which is not completely polymer enveloped, selected from those colorants in particulate form where some colorant particles are completely polymer enveloped and others only incompletely, and those colorants in particulate form wherein some colorant particles are completely polymer enveloped and others not at all,
  - (b) at least 2 wetting agents selected from alkoxylated alcohols of the formula R¹O(AO)<sub>x</sub>-H, where R¹ is C₁-C₃₀-alkyl wherein one or else two nonadjacent CH₂ groups may be replaced by oxygen and wherein C₁-C₃₀-alkyl may be unsubstituted or substituted with one or two hydroxyl groups, AO represents alkylene oxide, selected from ethylene oxide, propylene oxide and butylene oxide and x is an integer from 1 to 100, alkoxylated acetylene alcohols, alkoxylated or nonalkoxylated acetylenediols, alkylpolyglucosides, sugar ester alkoxylates, fluorosurfactants, anionic surfactants and cationic surfactants,
    - (c) if appropriate at least one dispersant,
    - (d) if appropriate at least one binder,
    - (e) water and
  - (f) if appropriate further assistants

with each other in one or more steps.

- 8. The use of a recording fluid according to claim 1 to 6 or of a recording fluid produced according to claim 7 as an ink for the ink jet process.
  - 9. The process for printing substrates by the ink jet process using a recording fluid according to at least one of claims 1 to 6 or of a recording fluid produced according to claim 7.
  - 10. The process according to claim 9 when the substrates are textile substrates.
  - 11. A printed substrate obtainable by a process according to claim 9 or 10.